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**Where would we be without electricity?**

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**How do we get electricity?** **What is electricity?**

* All atoms contain electrical charges.
* The nucleus is has a + charge due to protons
* The electrons provide the - charge
* When the + and - charges are equal the atoms are in a neutral state (like elements)
* If the atom **gains an electron** it now becomes negative and is called a **negative** ion
* If the atom **loses an electron** it now becomes positive and is called a **positive** ion
* Electricity is the flow of electric charge or the flow of electrons through conductors

**The law of electrical charges**  
Objects with opposite charges attract each other  
Objects with like charges repel each other